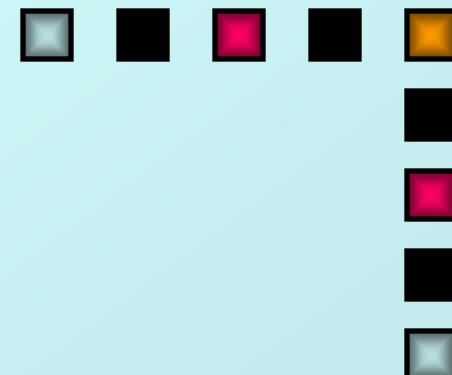


PHENIX WEEKLY PLANNING

6/7/2007

Don Lynch

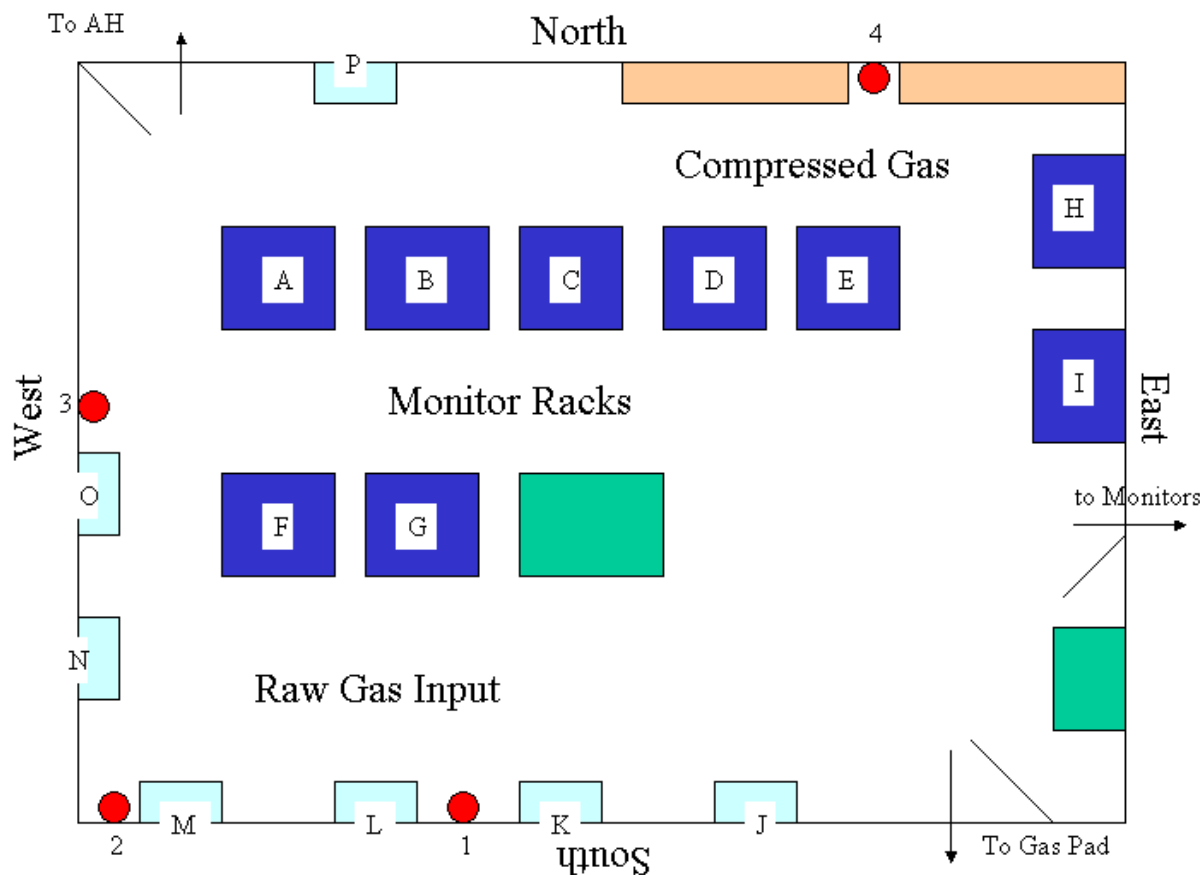


2007-06-07

| | | |
|---|-------------------------------|-----------------|
| ● | Next Maintenance Day | No More Planned |
| ● | Yasyuki converter test | 6/13/07? |
| ● | End of Physics | 6/26 |
| ● | Flammable Gas Purge | 6/26-6/27 |
| ● | Open Shield Wall | 6/28 |
| ● | End of Run Party | 6/29/07 |
| ● | Start Shutdown 2007 | 7/2/07 |
| ● | Remove HBD East | 7/19/07 |
| ● | MPC South remove for upgrade | 7/20/07 |
| ● | <i>[this space available]</i> | x/xx/xx |

Schedule

Mixing House Flammable Gas Head Malfunction



- C-A recalibrated twice before the failure.
- Head failed ~ 11:00 PM. Cut power to mixing house putting detectors in purge mode.
- Power recovered ~12:15 AM.
- Systems running ~3:00 AM but full recovery took until ~12:00 NOON.
- Failed head was replaced, but does this solve anything?



TESTING - SUPPORT + NOO7

Yesterday's Access:

Limited work doneby:

MuTr

MuID

TOFW

HBD

No problems encountered

No more restricted accesses planned until end of Run 7

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Next Access Day: June 13 2007 brief access

Converter test: place thin copper strips near beampipe
on west side.

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RPC Factory



Tent, lots of tables, jib crane and shelves from 832 are available and ready to be moved. -> List given to C. Pearson to arrange for riggers.

PHENIX techs and students will sort and prep tent parts.

C. Pearson/D. Lynch to arrange for carpenters to erect tent.

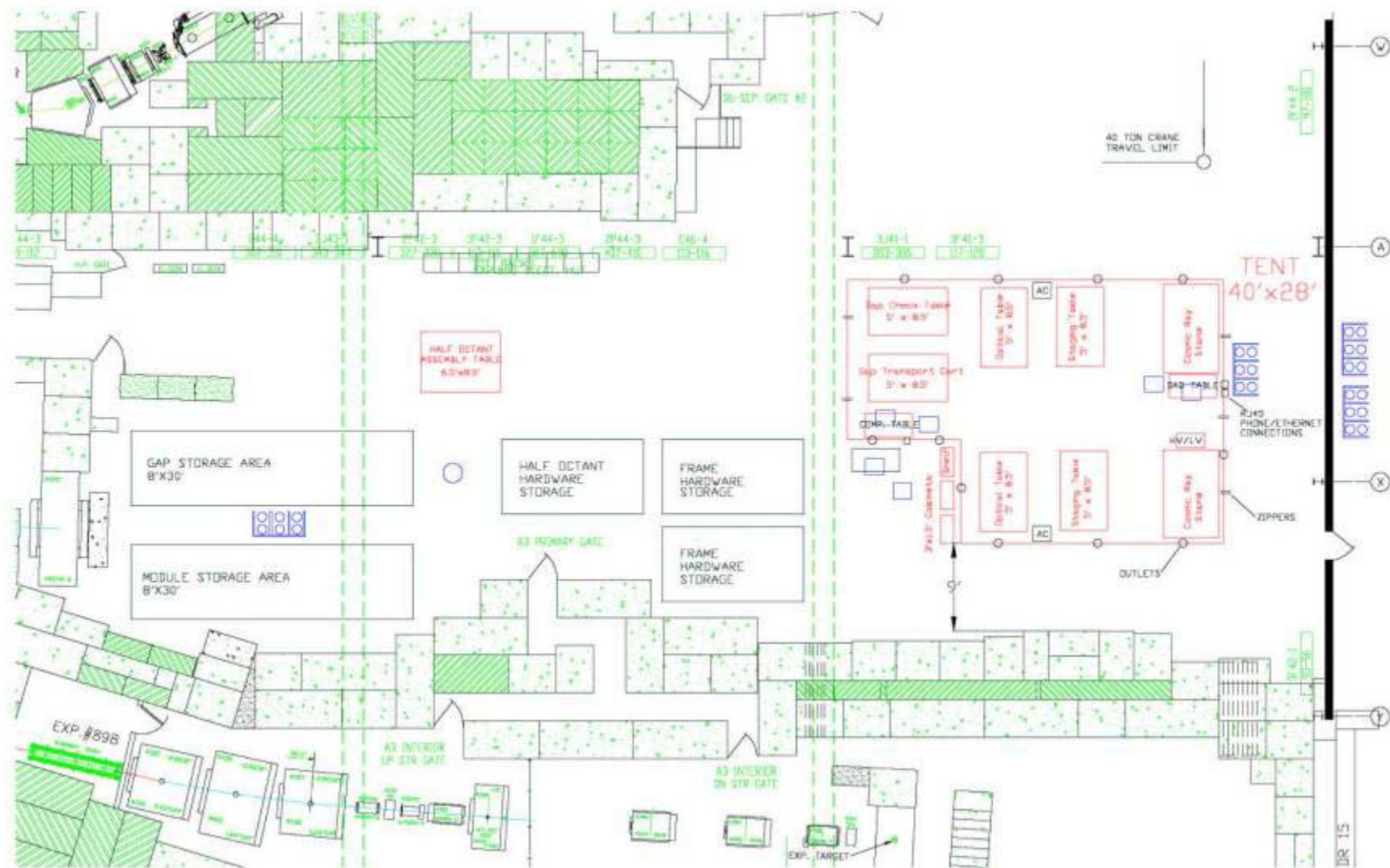
Minutes & Action Items from Yousef rec'd.

R. Towell now at BNL to run factory.

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RPC Assembly "Factory" at BNL

700N + 300P + 200Y



Equipment

- Tent** (Gap Testing, Module Assembly, Cosmic Ray Test), (existing from PHENIX PC w/ sealed lights and HEPA filters)
- 2 ~9000 btu/hr AC's (portable or window type)
 - 1 Gap Check Table ~5' x 8.5'
 - 2 Staging Tables ~5' x 8.5'
 - 2 optical Tables ~5' x 8.5' for module assembly
 - HV/LV Crate & Electronics
 - DAQ Table ~3.5' x 5' holds DAQ Computer, CAMMAC & NIM Crate
 - 2 Cosmic Ray Test stands ~6' x 9'
 - 1 Computer Desk for data analysis computer ~3' x 4'
 - 2 Phone/ethernet connections for DAQ and computer desks
 - 12 110V duplex outlets on 4-6 20 amp circuits (4-15 amp, 2-20 amp?)
 - 1 Rolling transport table ~5'x8' to move gaps & modules in tent & to storage
 - ~ 4 chairs, 2 for each desk
 - Book shelf

Equipment

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- **Outside of Tent**
 - Storage racks for gaps, modules, raw materials & fabricated frame details
 - Interior racks for test gases (near tent 2 R-134A, 1 SF6, 1 isopropane)
 - Half octant assembly table
 - $\frac{1}{2}$ ton-1 ton jib crane/A-Frame hoist for half octant ass'y area
 - Tech area:
 - Desk & chairs
 - Hardware & tool cabinets (lockable)
 - Phone & internet (shared with tent computer)
 - Book shelf
 - File cabinet (lockable)
- **Outside of Building 912**
 - Storage racks for spare and empty gas bottles
 - Area for N2 buggy
- **Utilities**
 - Electric, phone and internet
 - N2 gas lines from buggy to gap & module storage areas

Equipment (Not in Layout)

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- Security & Safety
 - Barriers (To Be Defined)
 - SF6/R134A detector
- Housekeeping & Misc.
 - Trash cans (2)
 - Water (Drinking)
 - Vacuum
 - Printer
 - Webcam (2?)
 - Weather station?
 - Portable ladder
 - Hand tools, portable electronic tools, etc.

Latest Counts

Last week there were 55 active procedures to be evaluated.

Now we have 51 active, 76 inactive

9 evaluated and up to date

4 evaluated and need minor revisions/signatures

37 not yet evaluated:

- Gas System Procs (8) Rob to review
- Elect System Procs (21) Paul to review
- Mech System Procs (9) Don to review

Efforts continue

All training records gathered for PHENIX technical staff techs and engineers.

Cannot change JTA's yet because of inconsistencies in JTA's and Equivalencies.

Visual Basic/Excel program written to analyze individual records

This effort c

Nothing New

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2007 Summer Shutdown Schedule

| <u>Item</u> | <u>Start</u> | <u>Complete</u> |
|---|--------------|-----------------|
| RPC Factory set up | 5/15 | 2011? |
| HBD West repair | 4/26 | 9/14 |
| End of Run 7 | 6/26 | 6/26 |
| Flammable Gas Purge | 6/26 | 6/27 |
| Open rolling wall, disassemble and store | 6/28 | 6/28 |
| EOR Party | 6/29 | 6/29 |
| MuID collar removal, MMS move S. | 7/9 | 7/9 |
| Disconnect EC and Move to AH | 7/10 | 7/16 |
| RPC Engineers coordination visit | 7/16 | 7/26 |
| Reconnect EC for maintenance in AH | 7/16 | 7/23 |
| Move MuID collar to AH | 7/16 | 7/16 |
| Install IR floor plates, rolling cart & move manlift to IR | 7/17 | 7/18 |
| Install CM access ladder | 7/18 | 7/18 |
| Remove HBD East | 7/19 | 7/19 |
| Remove MPC South | 7/20 | 7/20 |
| MPC South upgrade/ bench tests | 7/23 | 8/13 |
| Move CM south | 7/23 | 7/23 |
| Remove SouthEast Vertical Lampshade | 7/24 | 7/24 |
| Remove MPC North | 7/25 | 7/30 |
| MPC North upgrade/bench tests | 7/30 | 8/6 |

Note: C-A Cooling water improvements are planned for this summer. This may involve interruption of water cooling for most/all of the summer. Please let me know if water cooling is necessary for any subsystem operations this summer.

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2007 Summer Shutdown Schedule (cont'd)

| <u>Item</u> | <u>Start</u> | <u>Complete</u> |
|---------------------------------------|--------------|-----------------|
| MuTr Capacitor Decapitation | 7/25 | 8/31 |
| Reinstall MPC North | 8/6 | 8/13 |
| Move CM North | 8/13 | 8/13 |
| Reinstall MPC South | 8/13 | 8/20 |
| Repair RXNP Phototube | 8/13 | 8/20 |
| Install CM Crane | 8/20 | 9/3 |
| C-A arc flash work (no power) | 8/23 | 8/24 |
| Misc. Subsystem Maint./repair/Upgrade | 7/16 | 10/1 |
| Misc. Infrastructure Improvements | 7/16 | 10/1 |
| MuTr FEE Prototype (Sta. 2N lwr oct.) | 9/3 | 9/28 |
| HBD West Mechanical/Gas Reinstall | 9/17 | 9/24 |
| HBD EAST Mechanical/Gas Reinstall | 9/24 | 10/1 |
| HBD Electrical Reinstall | 9/17 | 10/8 |
| EC Roll In | 10/8 | 10/10 |
| DC East repair | 10/11 | 10/12 |
| HBD/MPC/Other TBD Commissioning | 10/1 | 10/31 |
| Start of Run 8 | 11/1 | 11/1 |

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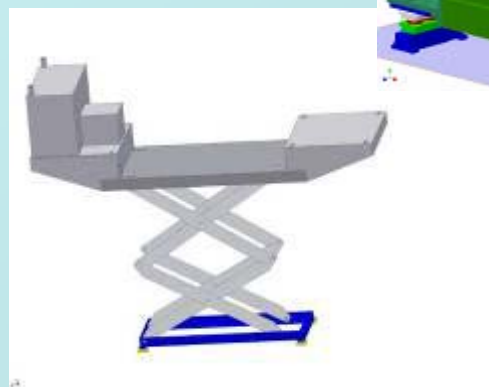
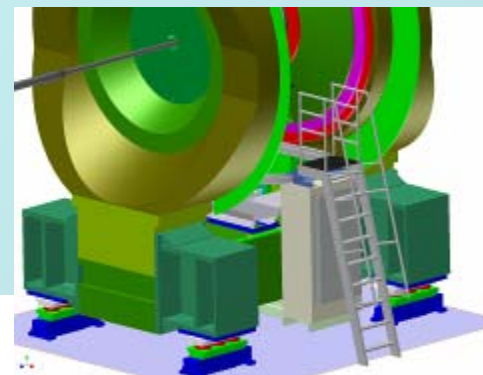
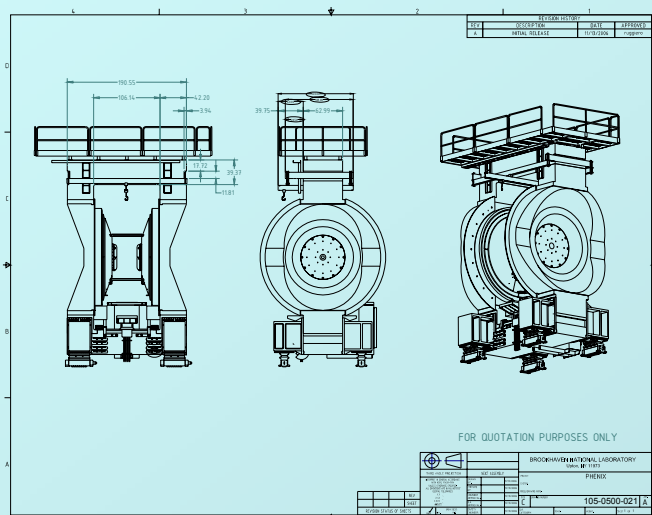
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|------|--|
| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work |

** Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*



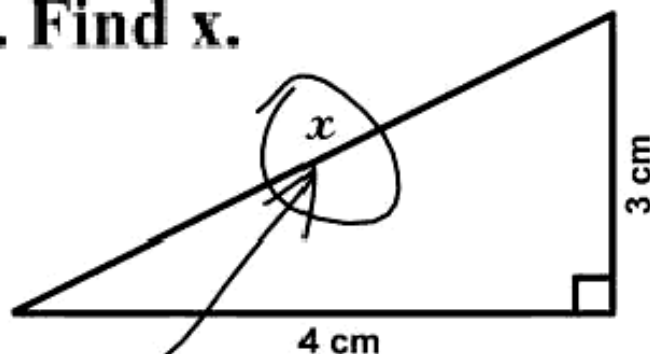
- Empty and discard old container
- VTX chiller test: *Done*
- New Crane: rec'd estimate ~\$7K (1 ton)
~\$9K (2 ton)
- Stairway to HBD rec'd estimate ~\$ 2K
- NCC Electronics
- CM Extension Step



Where To Find PHENIX Technical Info

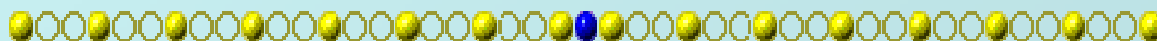
For the PHENIX Staff there is
no problem that is too difficult

3. Find x .



Here it is

Links for the weekly planning meeting slides, long term planning, pictures, videos
and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm